Antony Attia

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SKILLS

- Proficient with **C/C++**, **Java**, **Python**, **SQL**, **HTML**, **CSS**, **JavaScript**, **Bootstrap Node.js, React.js, Electron** and **PHP**.
- Experienced with Version Control Systems such as **Git** and **Subversion** (**SVN**)**.**
- Experienced with **Linux**/**UNIX** environments and tools (**Bash, Valgrind**).
- Have experience with mobile app development (**Android SDK**).
- Have experience with statistical (**R**) and legacy (**COBOL, Fortran, Ada**) languages**.**
- Solid knowledge in **Data Structures**, **Algorithms, Object-Oriented Programming** (**OOP**)**, Agile**, and **Scrum**.
- Knowledgeable in **Computer Hardware** and **Network Technology**.
- Seasoned **team worker** with excellent **Communication** and **Interpersonal** skills.

EDUCATION

Bachelor of Computing (B.COMP.) in Computer Science
University of Guelph – *Guelph, ON*   *September 2014 – April 2019*

WORK EXPERIENCE

Tempus Electric Bikes   **Contractor & Technical Advisor**

Guelph, ON   *January 2017 – April 2019*

- Worked closely with the founder and CEO of this thriving startup to create and maintain the website and advised him on the software and electronics of the electric bike.
- Experimented with visual recognition sensors for assisted steering and speed control.
- Gained experience with display and motor control programming with C and Python.

University of Guelph   **Undergraduate Research Assistant**

Guelph, ON   *May 2016 – August 2016*

- Solely responsible for the development of a data analytics program used to estimate the size of classes in future years based on previous data and other factors.
- Application developed using Python, utilizing a relational database via MySQL.
- Documented code and created guides to explain the program's functionality.
- Communicated and worked closely with the School of Computer Science faculty and staff during the development process to ensure their needs are being met and that any issues are effectively resolved.

PROJECTS

Discord Bot   *March 2019 – Present*

- Created a cross-platform bot for the VoIP program Discord in Python that allows for easy activation of administrative commands and simple audio clip creation and macroing.
- In the process of re-writing the program in JavaScript using Electron and React.js to create an attractive user interface that is simple to use for all users.